EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

: 03112487 PUBLICATION NUMBER : 14-05-91 PUBLICATION DATE

: 22-09-89 APPLICATION DATE : 01247697 APPLICATION NUMBER

APPLICANT: OLYMPUS OPTICAL CO LTD;

INVENTOR: TAKIGUCHI MASAFUMI;

: C12N 15/12 C07H 21/04 C12N 5/10 INT.CL.

C12Q 1/68

: HLA-BW 53 GENE, DNA PROBE AND TITLE

TRANSFORMING CELL

************************ ************************* CHECATERRETAITTETACARCECCATESTCGCGCCCCCGC CECCECETECCCCCECIICAICCCTCIECCCCITTCCTCC ACACCCAGTECGEGAGGTTCGACAGCGGCGGCGCGCGGGCG CCLURCULATICCCACCOCALCACACACACACATCATCATCATCA *CICICICACACTTLCCCACACTACCTCCCCCATCCCCCTCCC CIRCIACRACE ACADECE CE COCCECCIO TO ACCATOLICOS ************************ CACACCOTEGGTTAGATTACCTACTGTAGTAGTAGGACCCCC C16666CC1666CC18CTACCC16CC64C4TC4C4C1C4CC TOCCHCCECCATCGCCACCCACCCTCACCACACACACACAC 110162104004004004004004644046116044001 @1606C16C16T6G16C16CC11C16G16A4G4G4G4G4G4G4 CATESTEGGCELITETTERTESCCICECTETCCTLECIENT GTESTEATCESASCISTSETCECTACTOTCATSTCTEESA CCARCACCTCACGTGCAARECCACCCACCTACTCTCACGC tacstervecescastacter. eccesters ateretericis

ABSTRACT : PURPOSE: To obtain HLA-Bw53 gene to manifest an antigen useful for judging propriety of colonization of transplant in organ transportation by transducing human eukaryocyte, containing exon having a specific base sequence.

CONSTITUTION: HLA-Bw53 gene containing an exon having a base sequence shown by the formula (A is adenine, C is cytosine, G is guanine and T is thymine). cDNA partially coincident with the base sequence of this gene can be made into a DNA probe which labels a marker substance and is used for DNA typing.

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